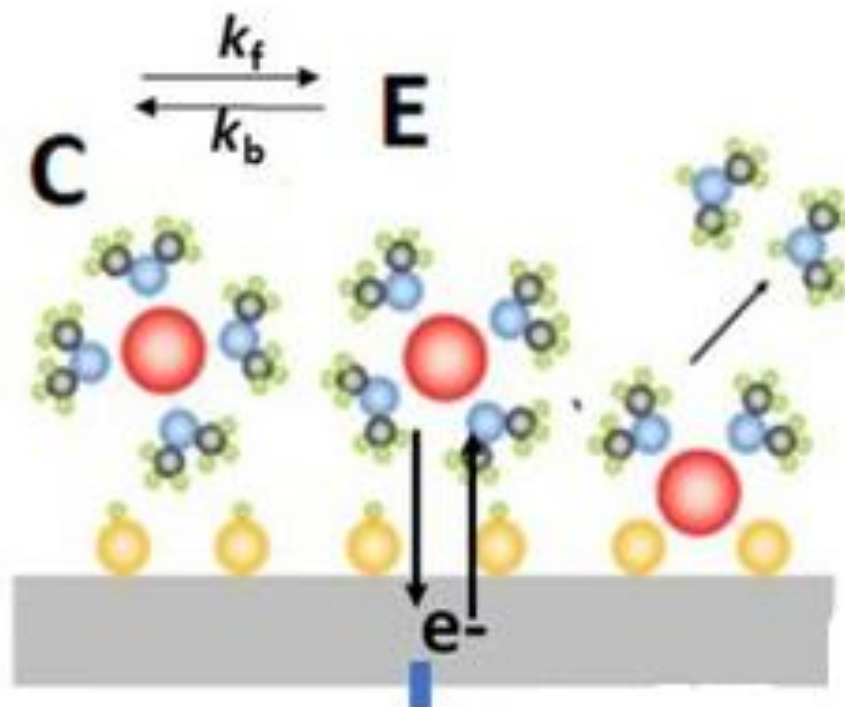
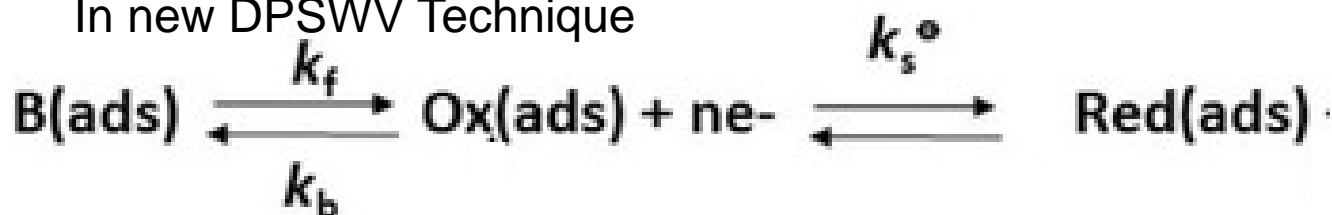


# DPSWV of SURFACE CrevE MECHANISM

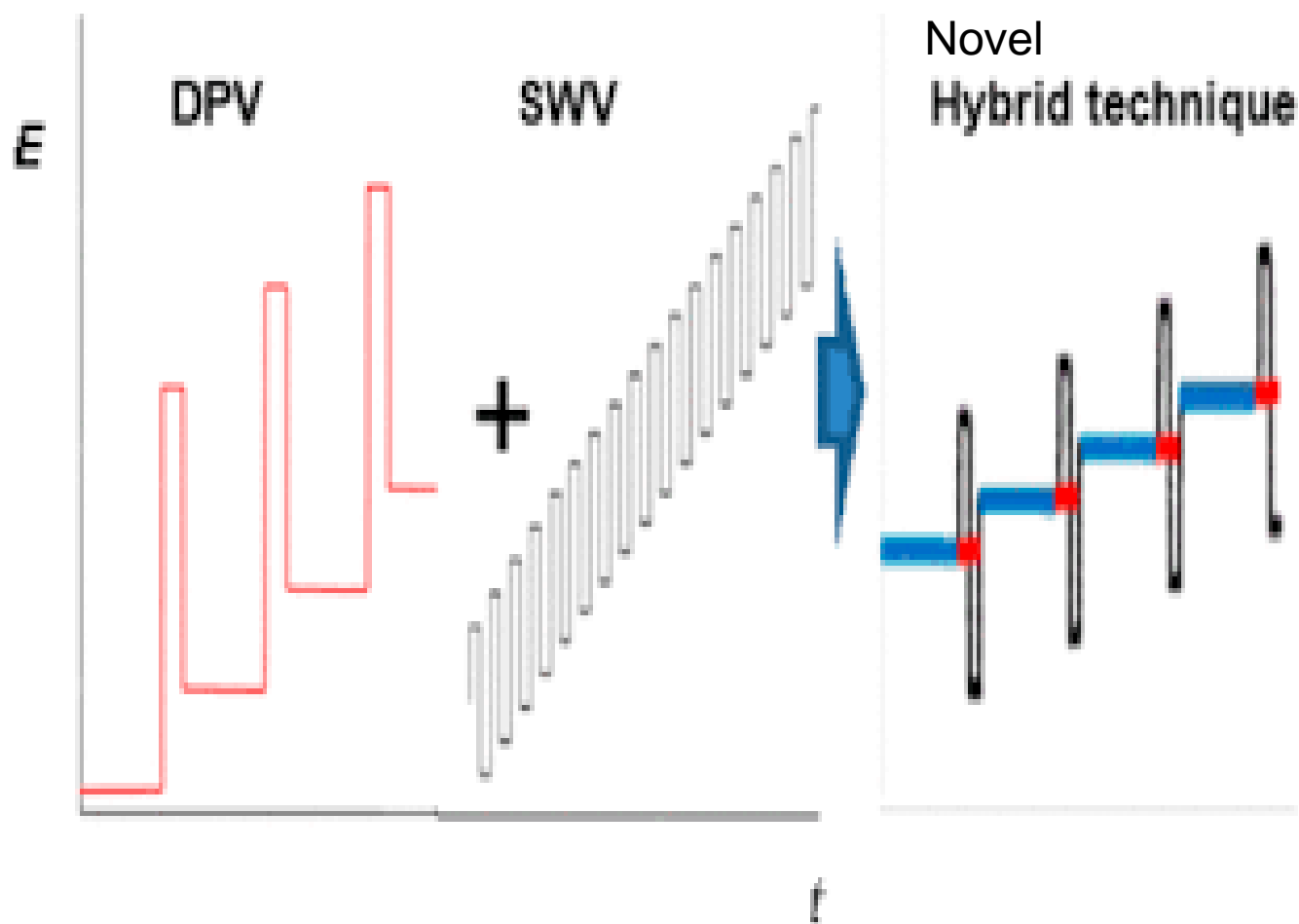
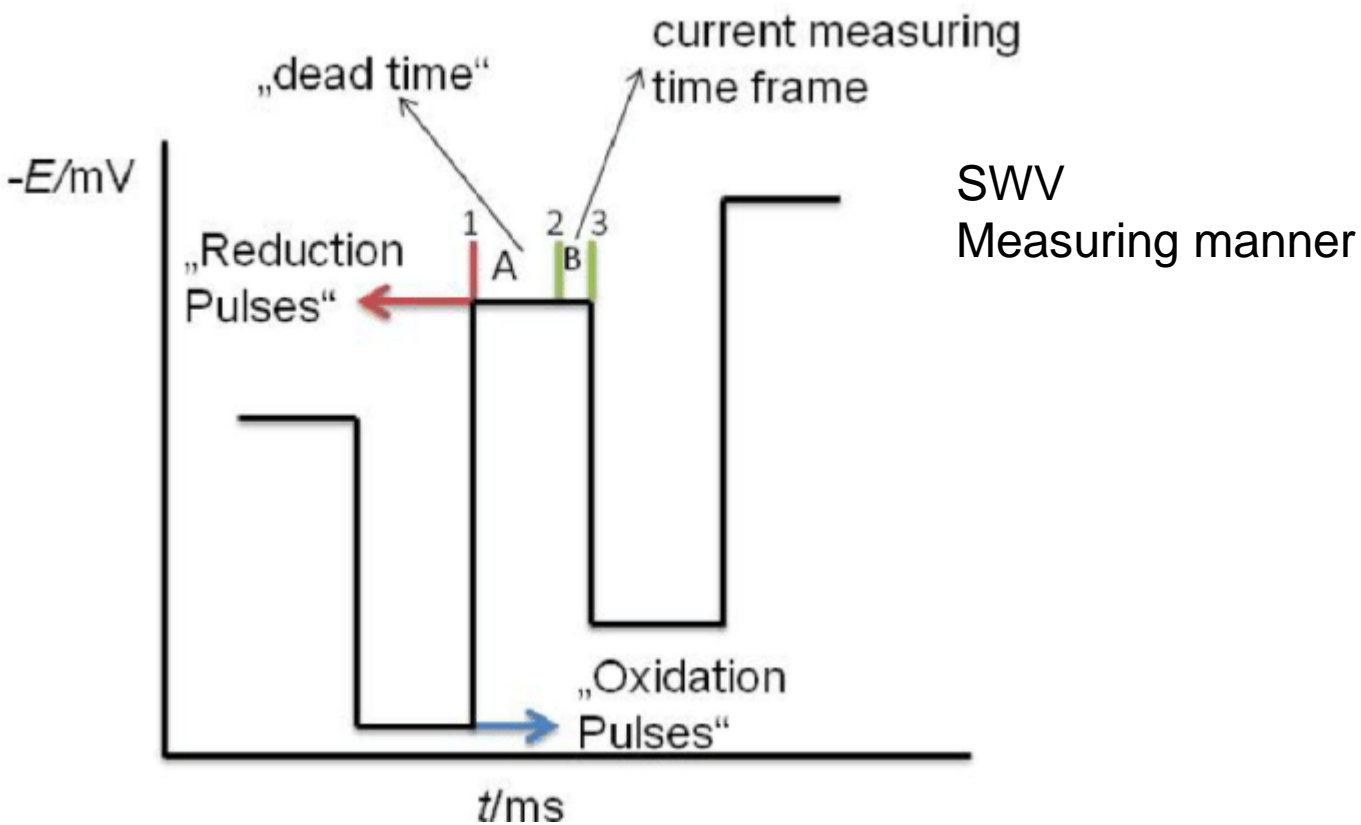
## *Rubin Gulaboski, Valentin Mirceski*

### MACEDONIA

SURFACE CrevE Mechanism is elaborated theoretically  
In new DPSWV Technique



Scheme of surface CrevE Mechanism



# Influence of electron transfer rate

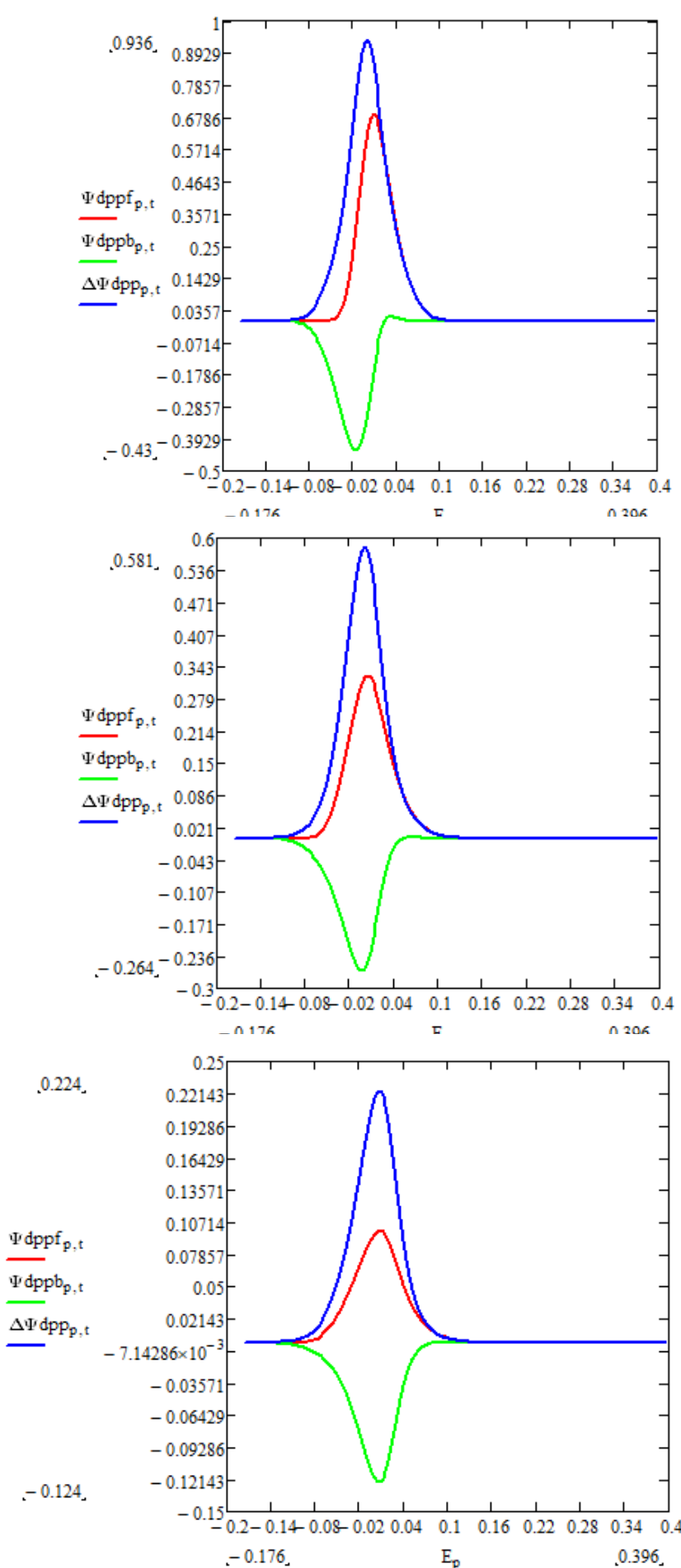
KET is 0.5

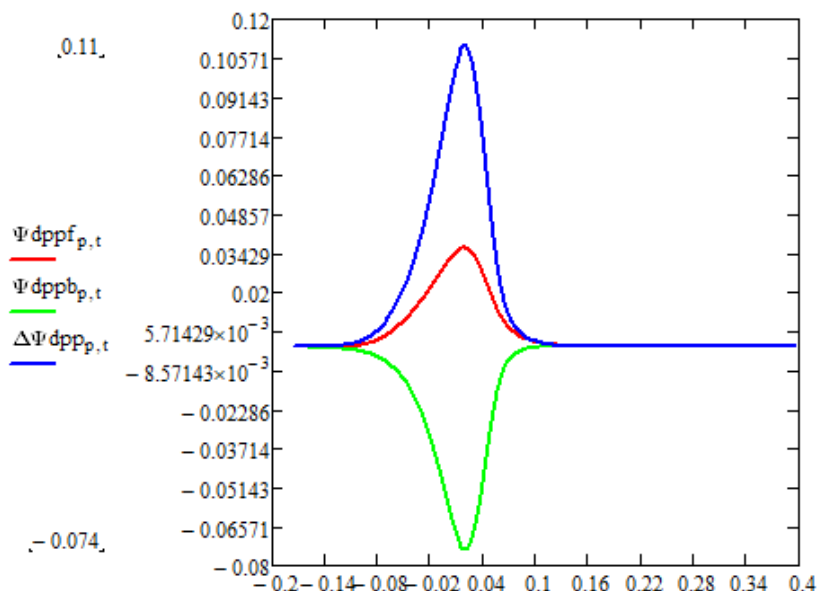
Keq is 1000  
Kchem is 100  
Alpha is 0.5  
n is 2

Dependence on KET

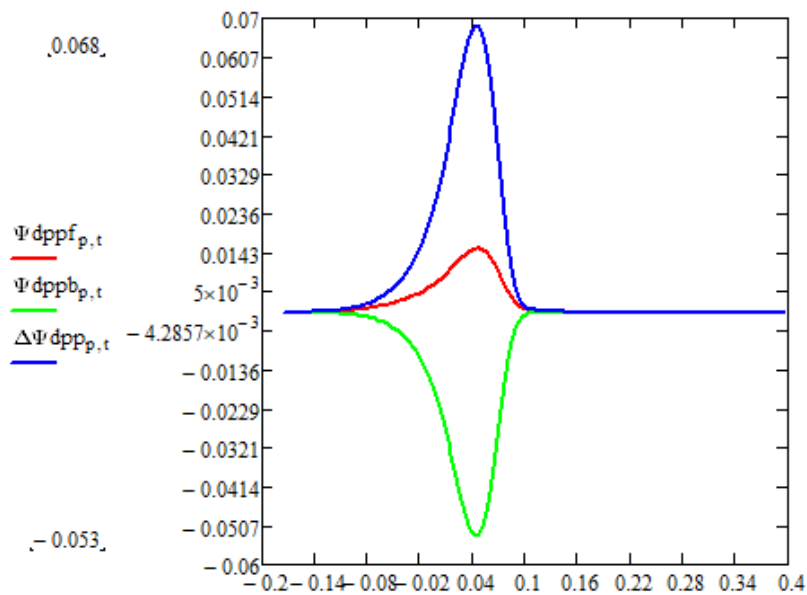
KET is 0.16

KET is 0.05

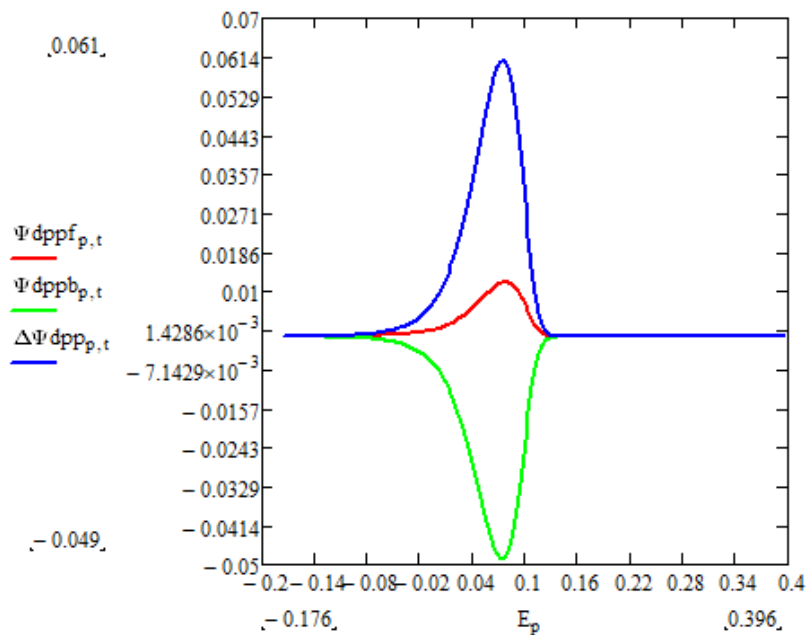




KET is 0.02

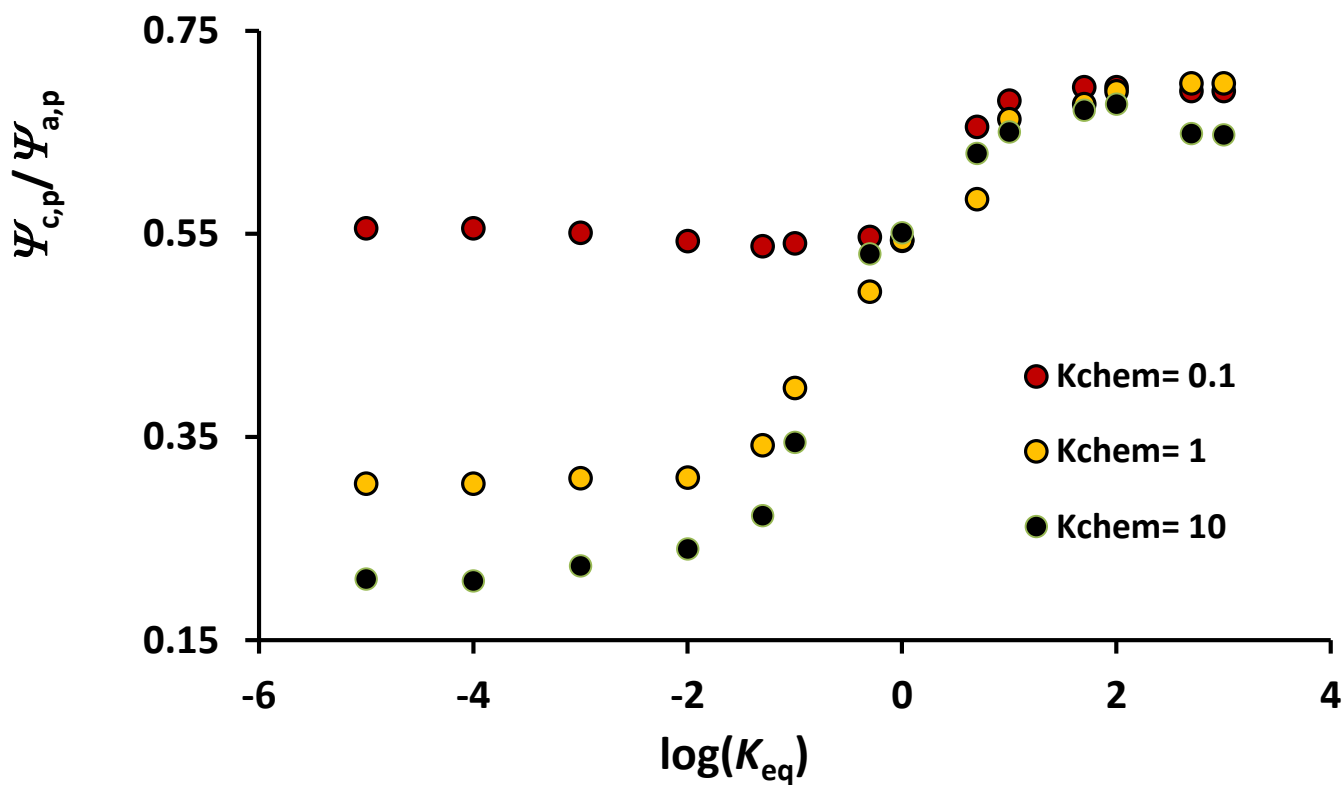
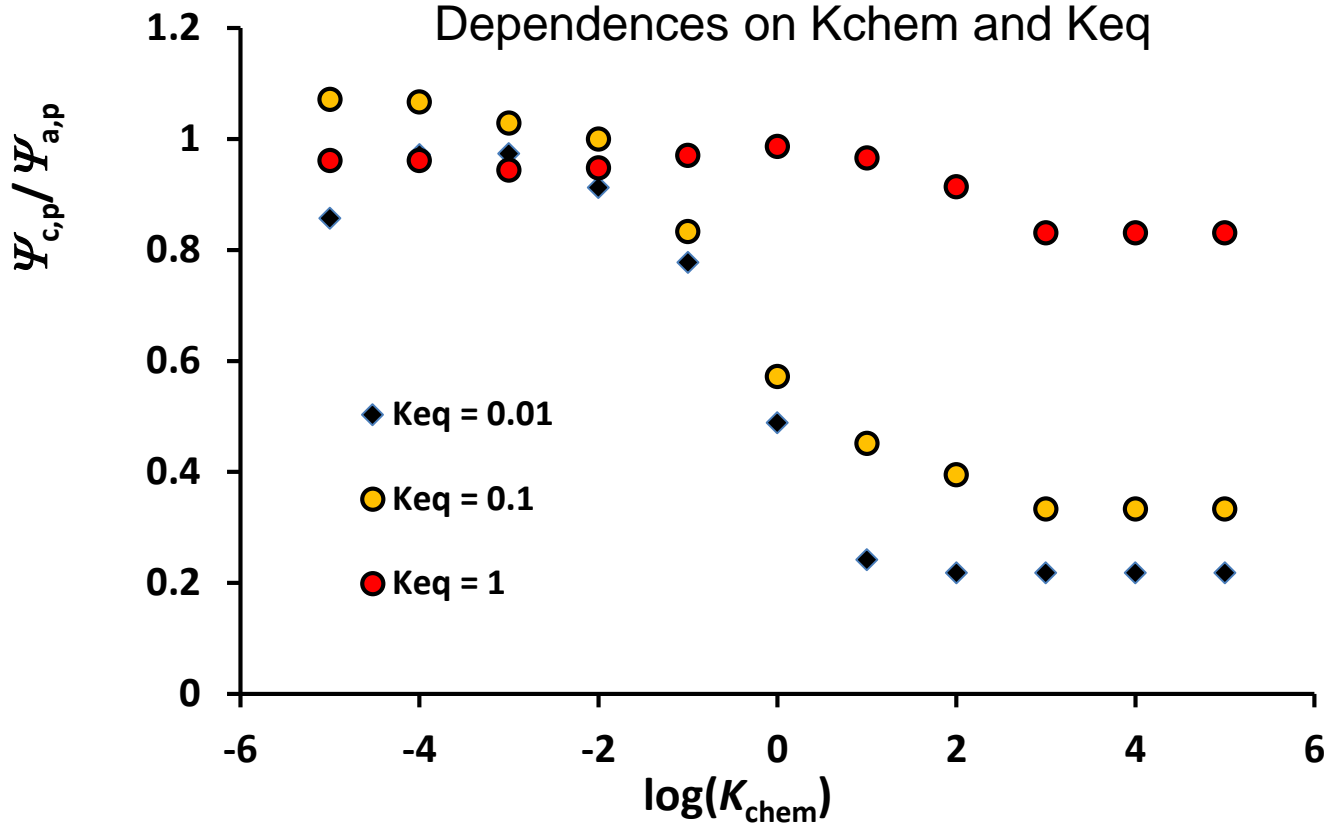


KET is 0.006



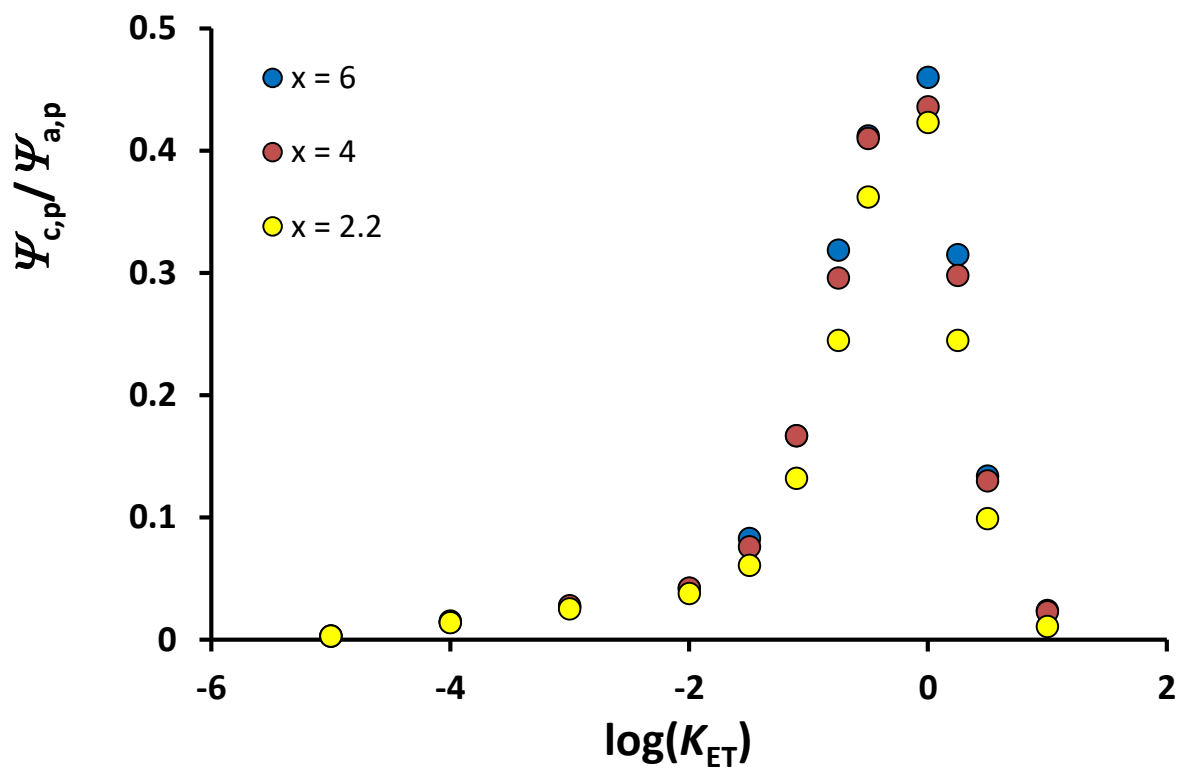
KET is 0.002

Dependences on Kchem and Keq

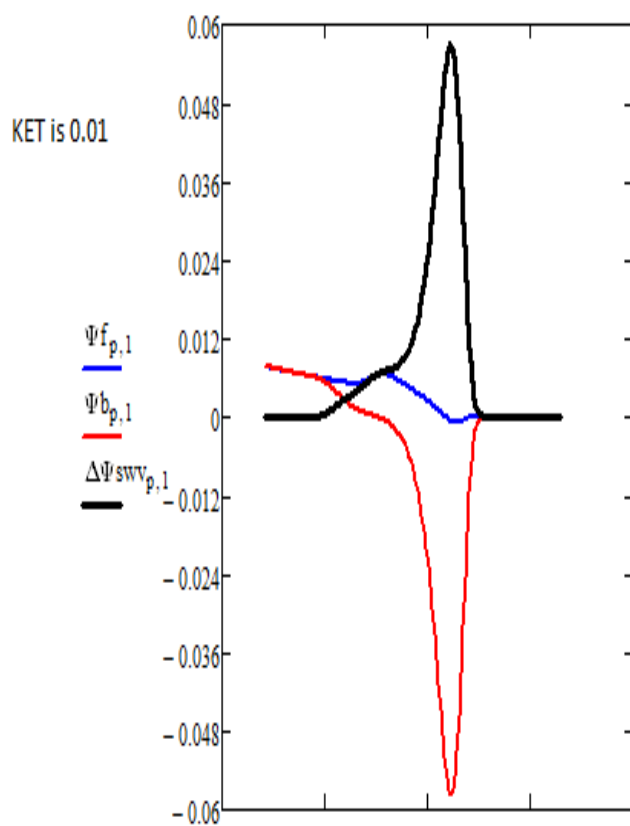
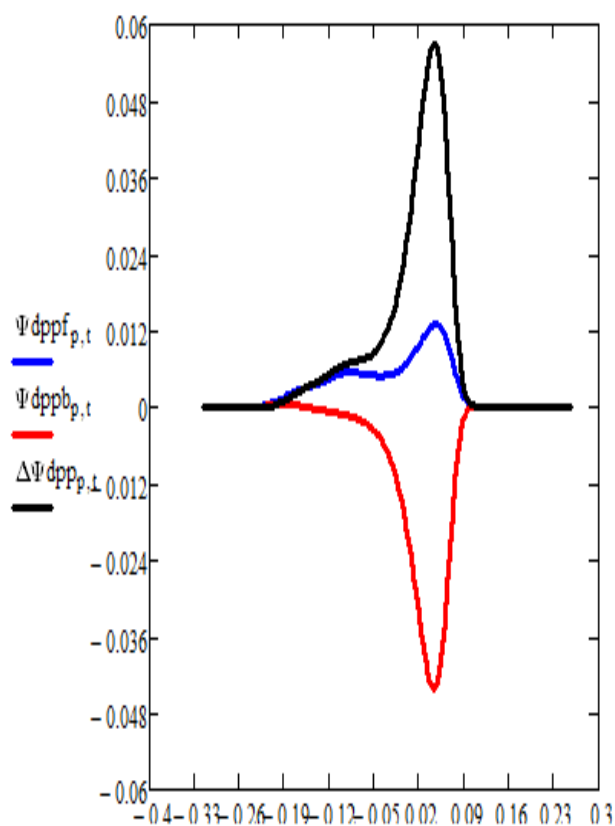
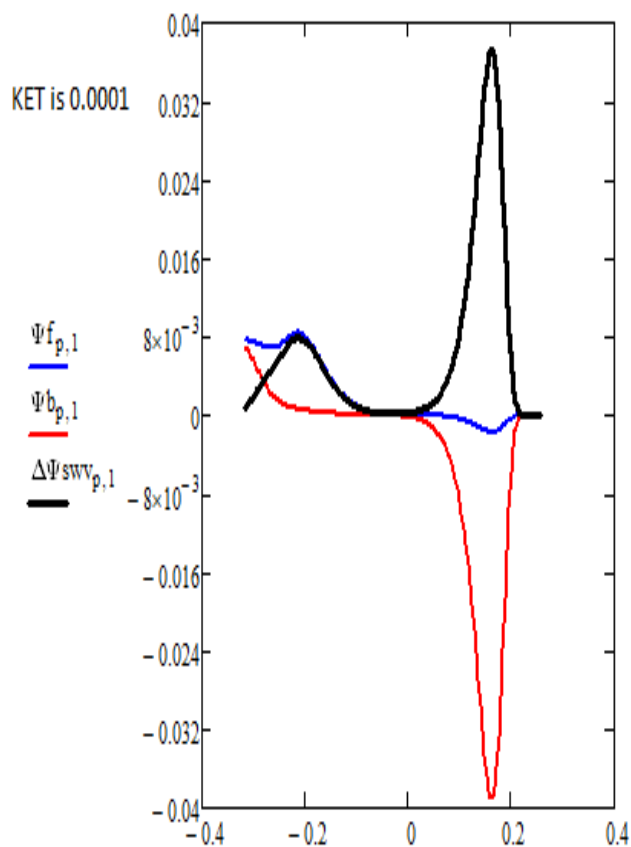
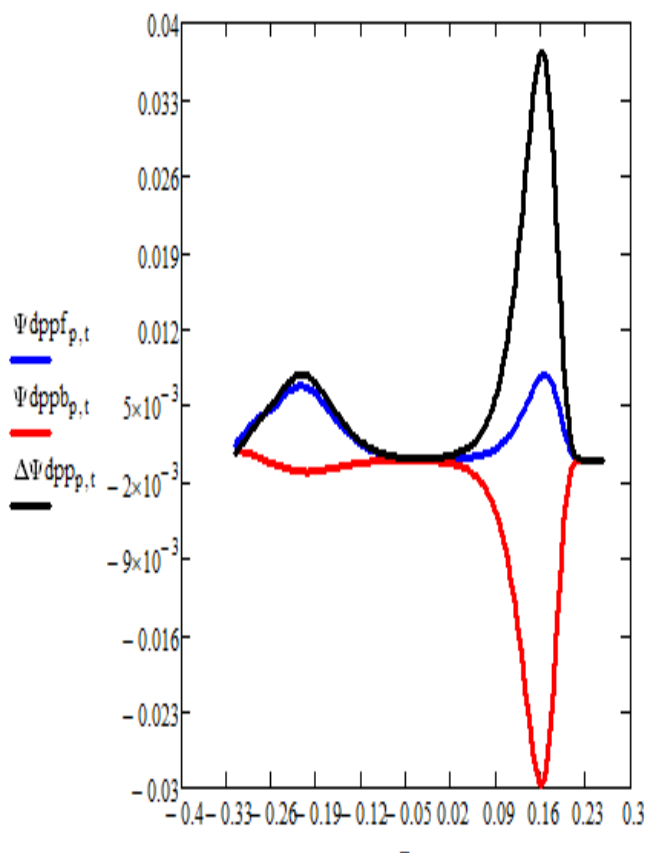


KET is 0.316,  $x = 5$ ,  $\alpha$  is 0.5,  $n = 2$

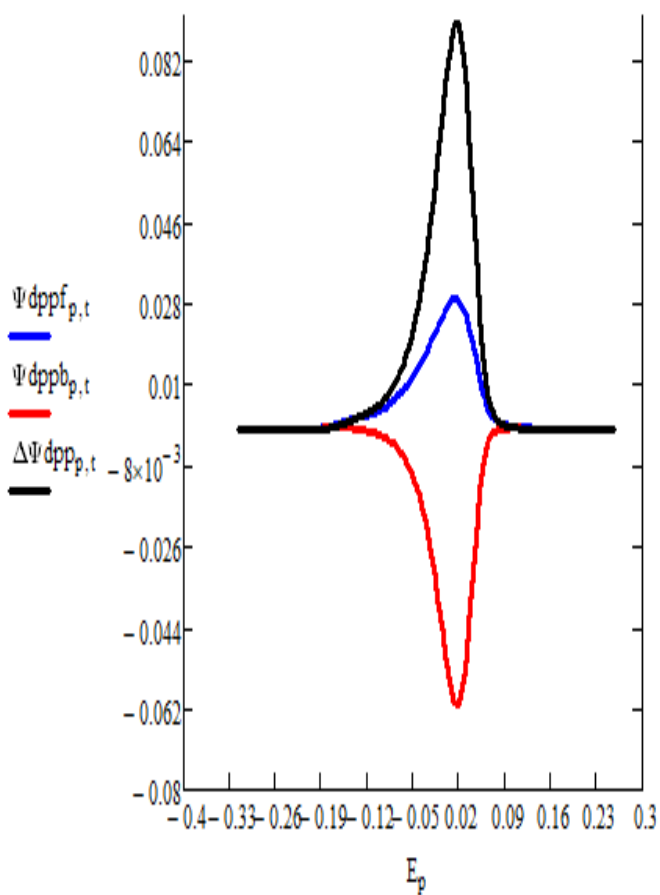
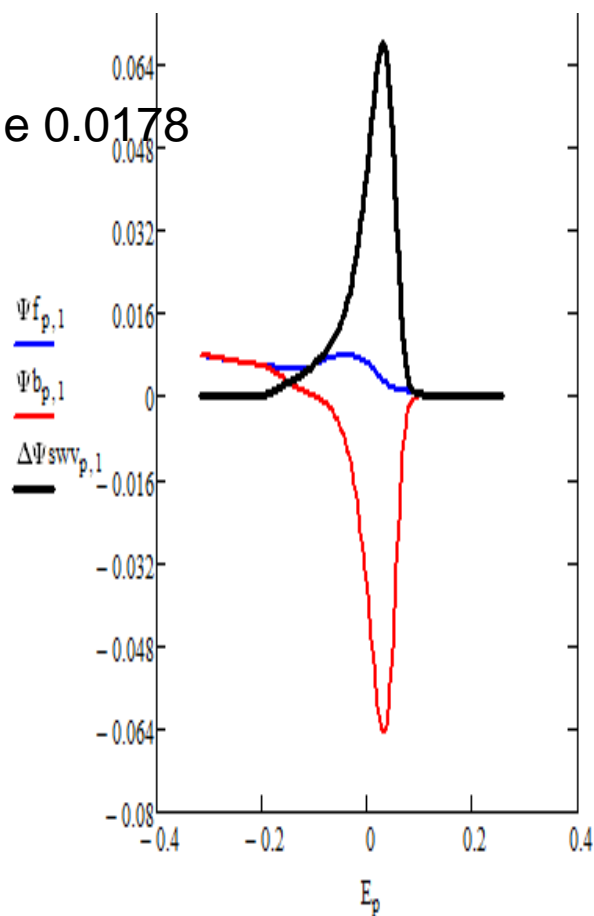
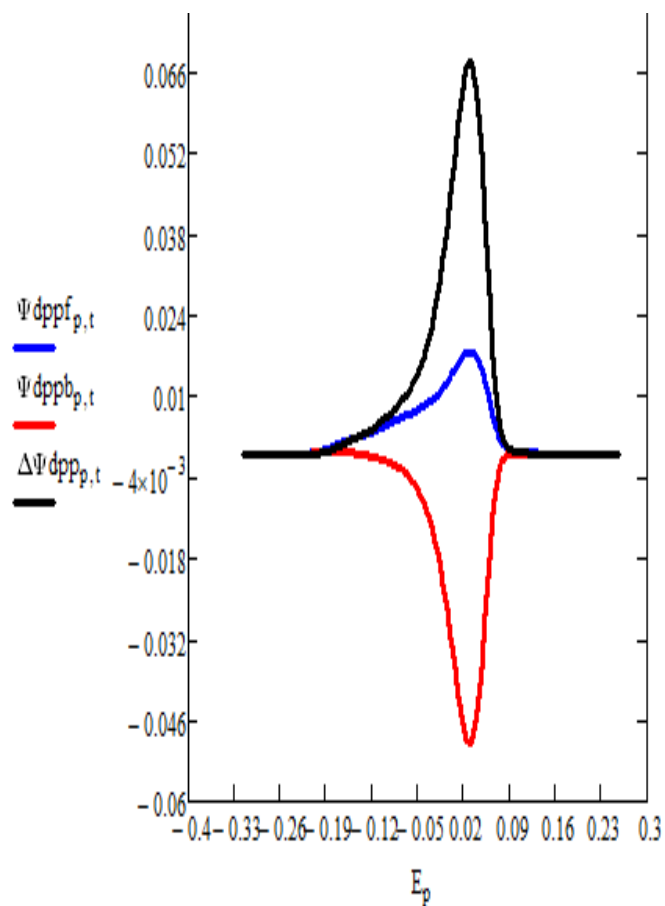
**Kvazimaksimum** kako funkcija od dolzina na „x“ inkrement  
Keq is 0.1; Kchem is 0.1; alpha e 0.5; n is 2; surface CrevE



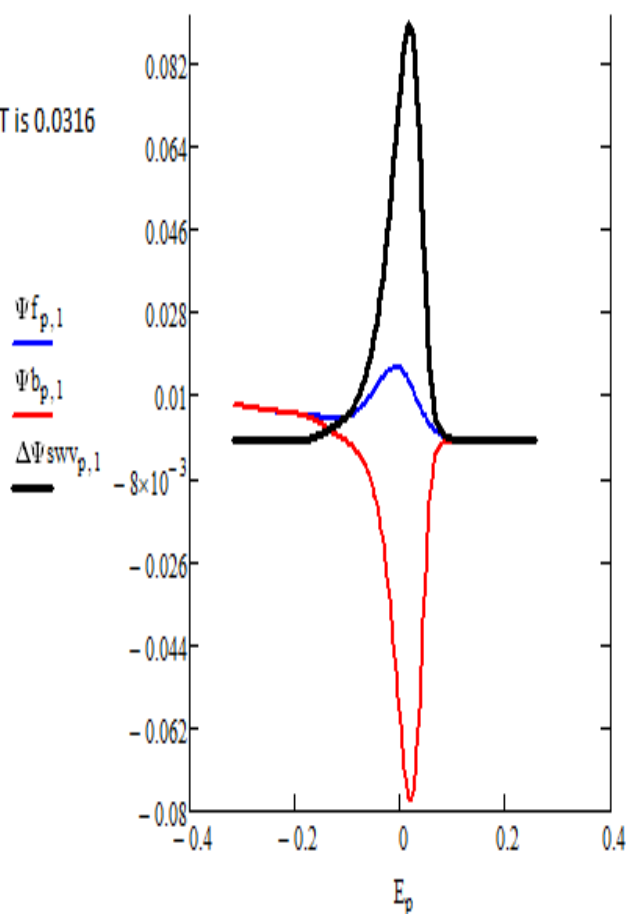
Ova se interesni fenomeni...Keq e 0.1 Kchem e 0.1  
 Se javuva i vtor signal na ponegativni potencijali pri mali KET



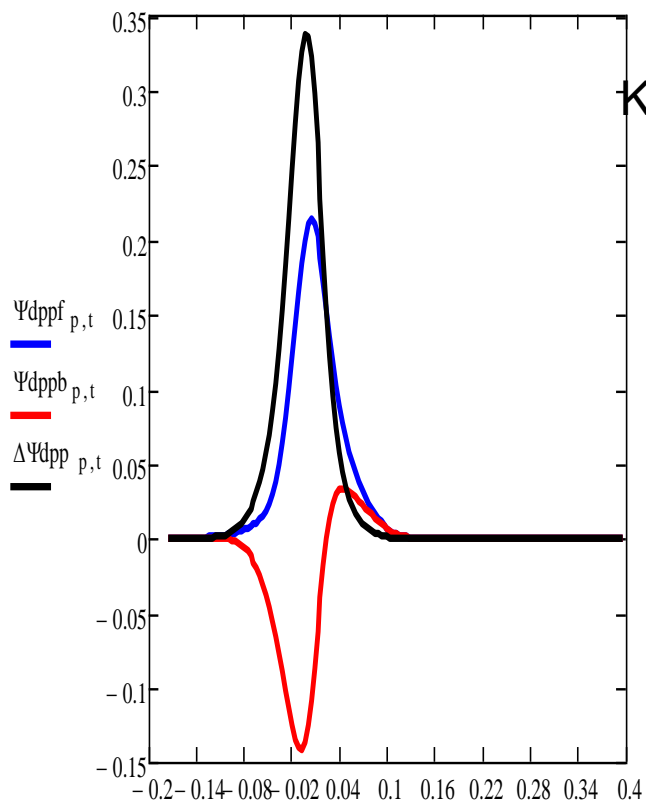
KeT e 0.0178



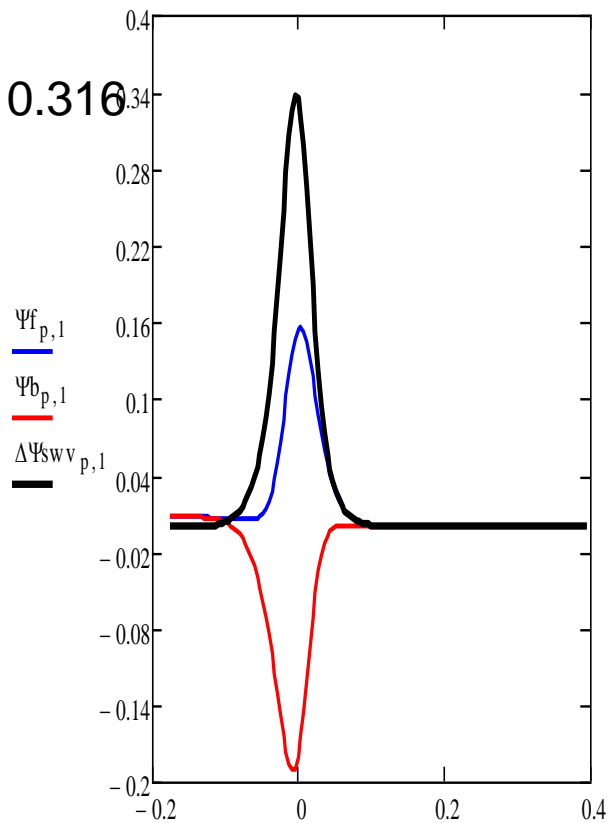
KeT is 0.0316



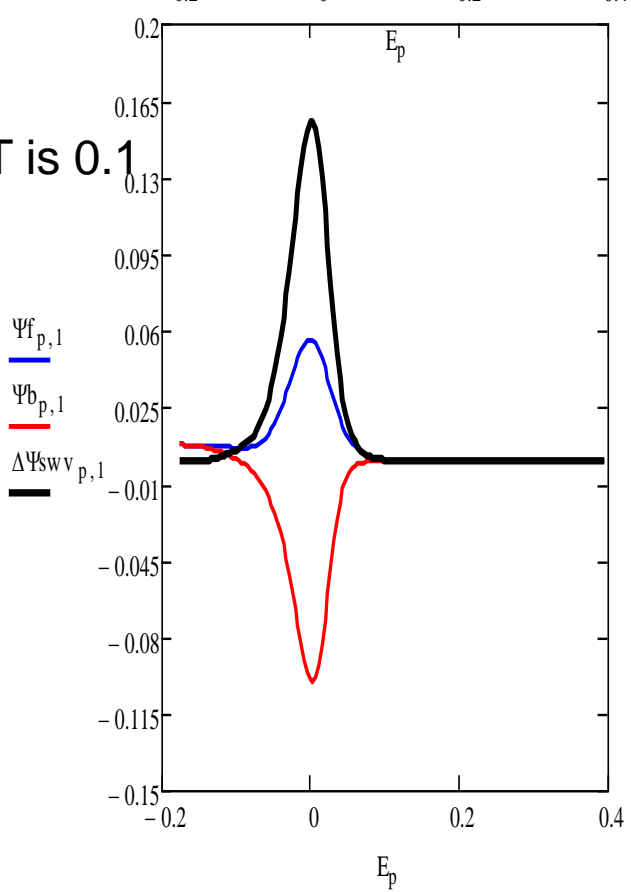
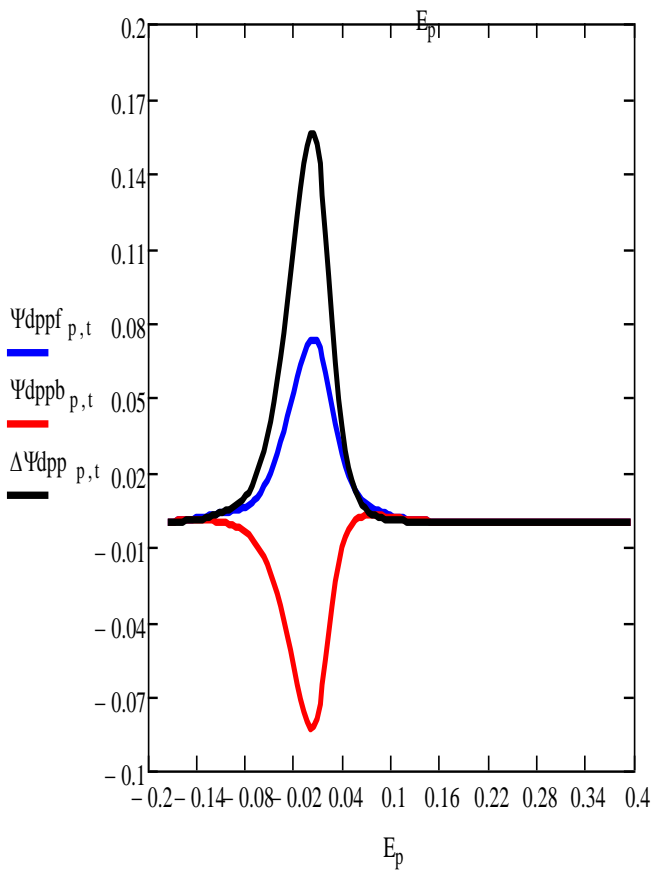




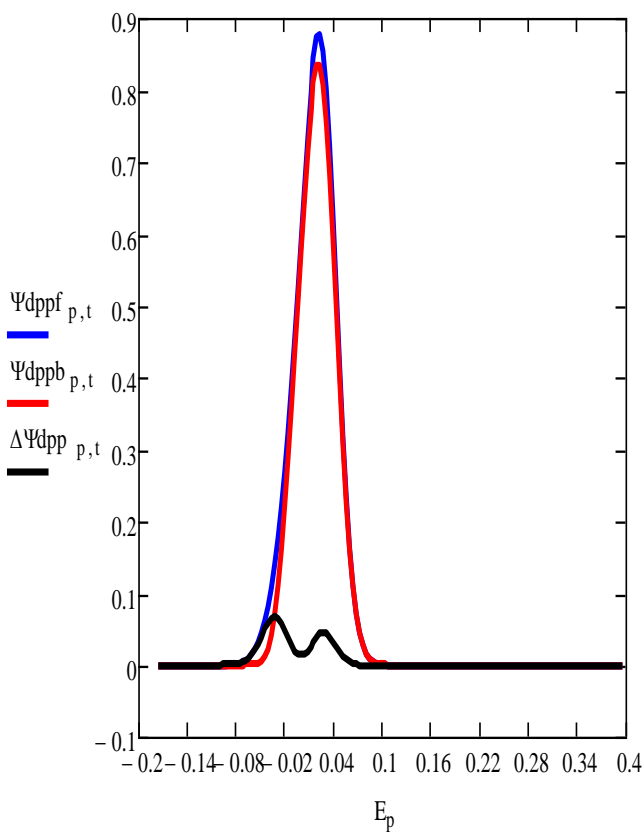
KET is 0.316



KET is 0.1

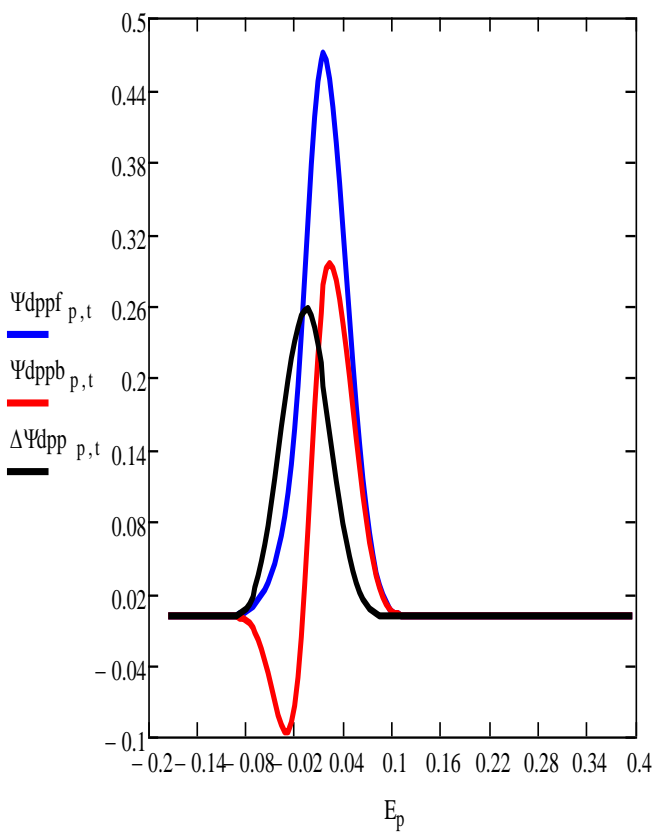
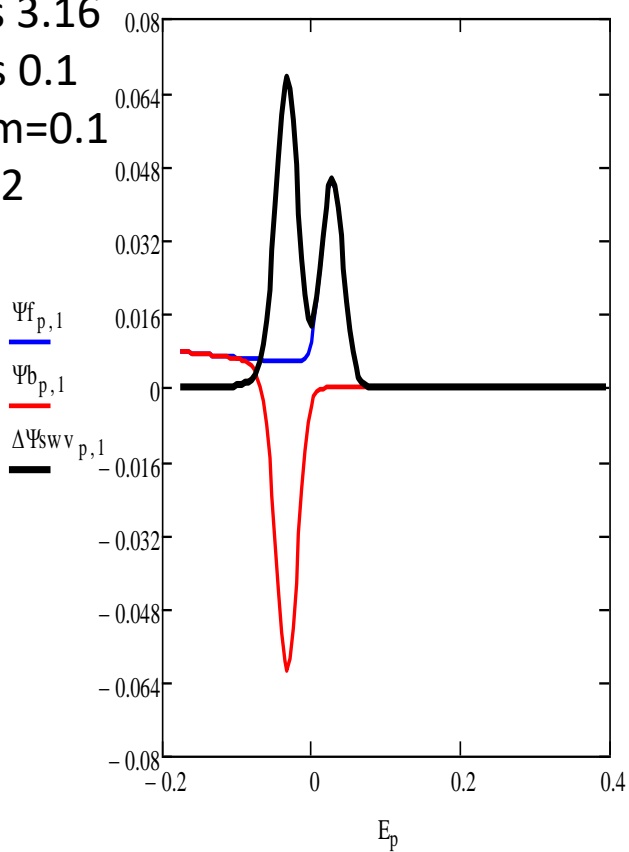


# DPPSWV

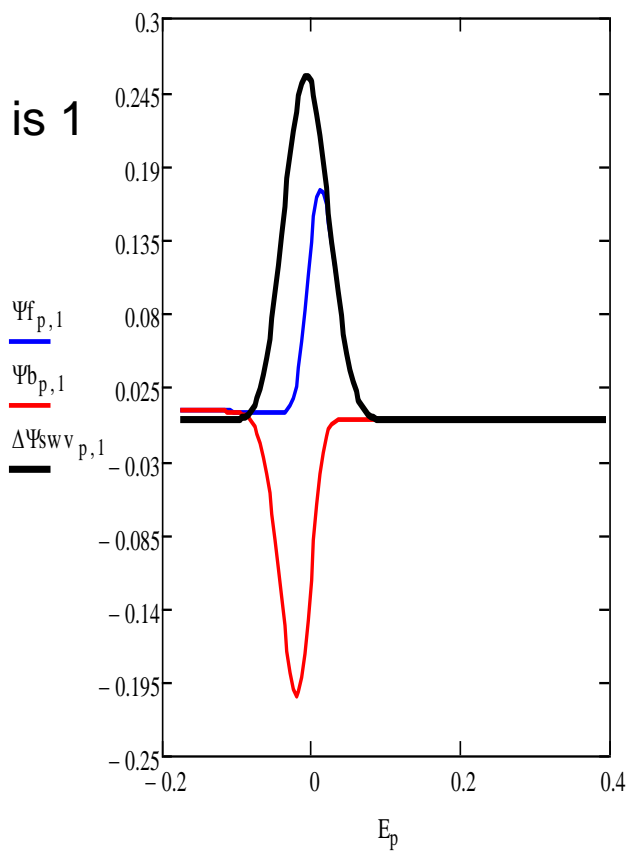


KET is 3.16  
 Keq is 0.1  
 Kchem=0.1  
 X = 2.2

# SWV



KET is 1



## Features of DPP-SWV as a function of Kchem

KET is 0.316

Keq is 0.1

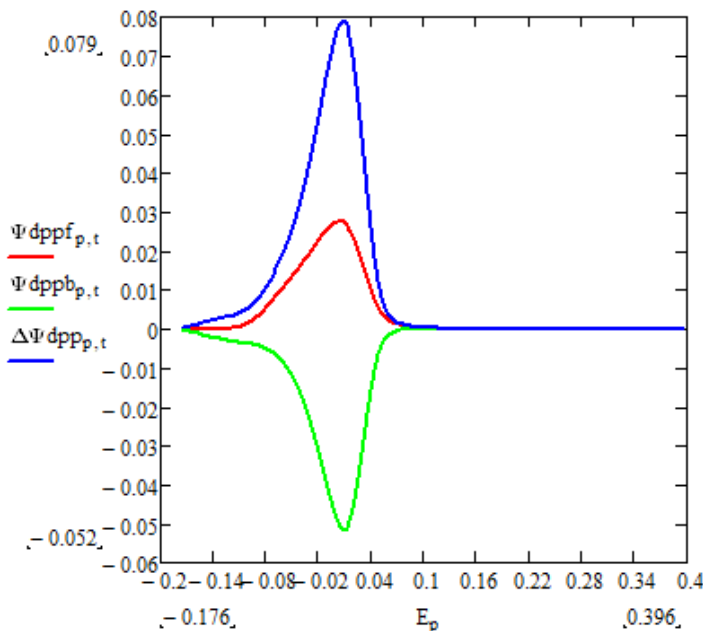
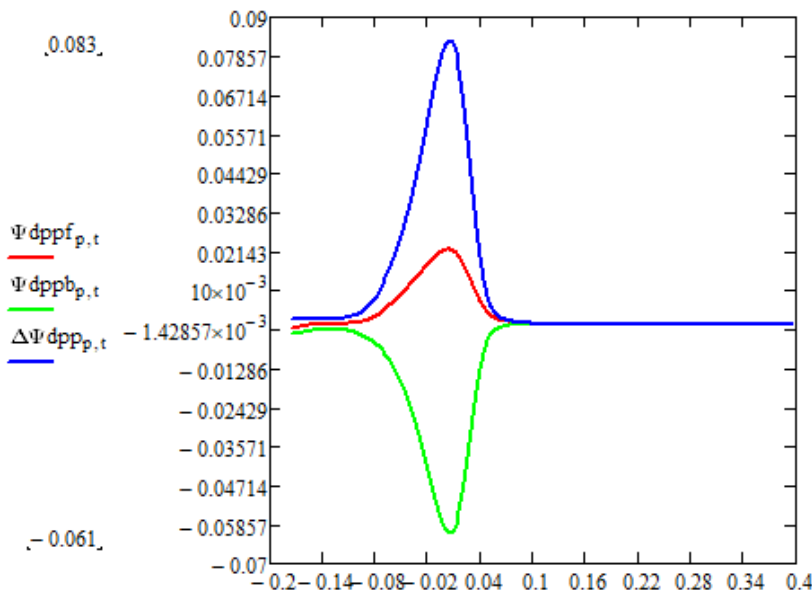
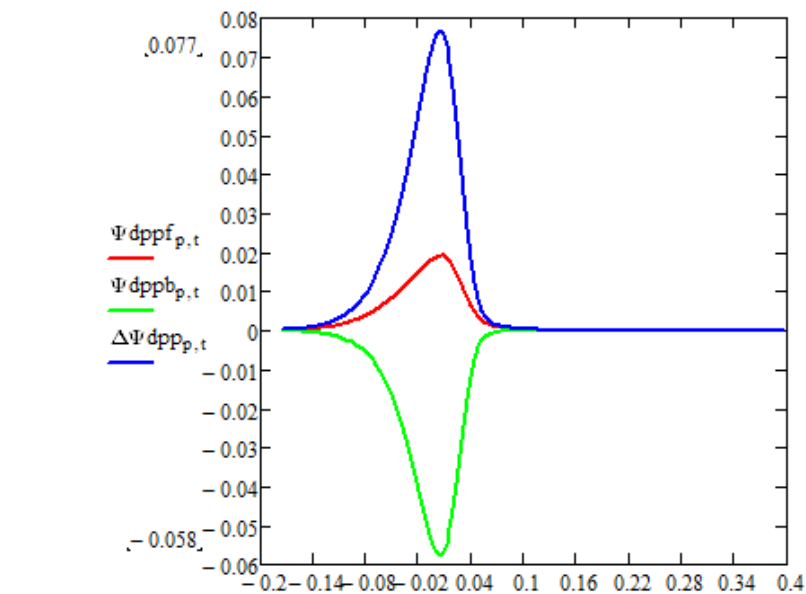
X is 5

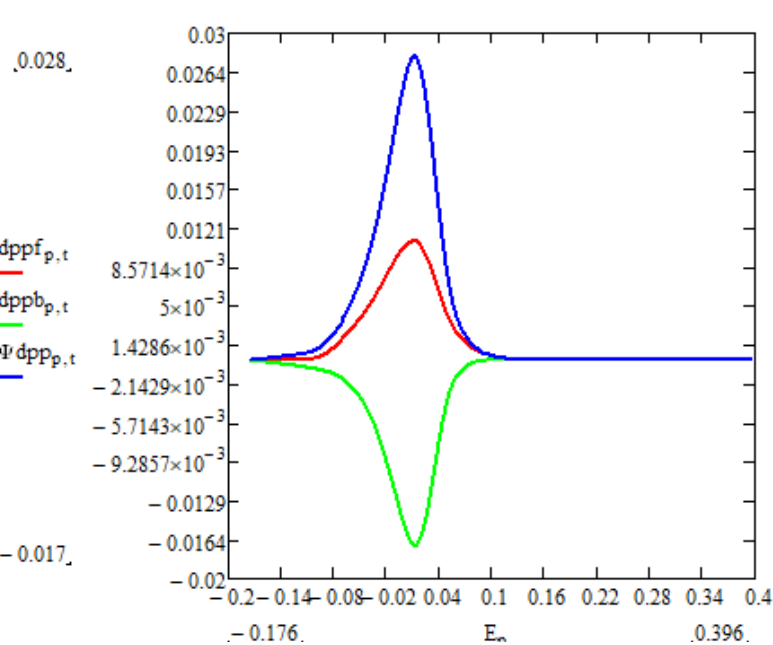
Kchem is 100

Kchem is 1

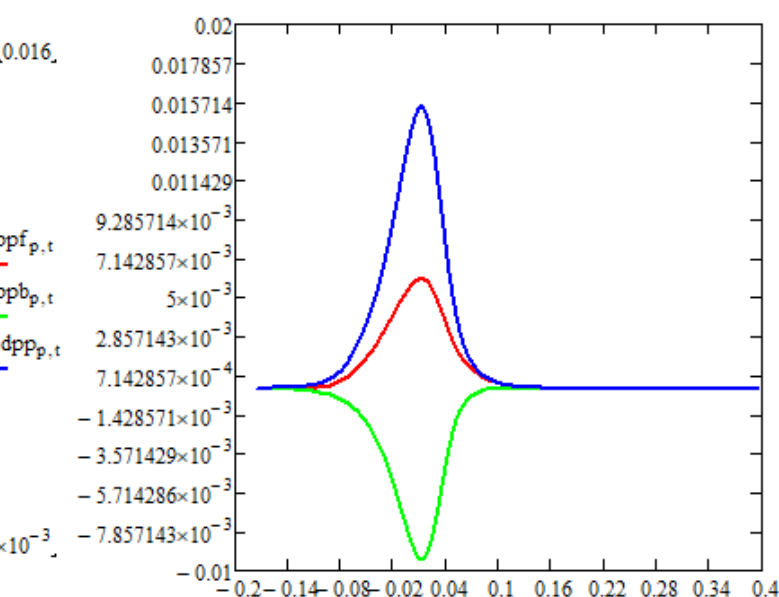
Kchem is 0.1

**Important feature:  
NO SHIFT of the  
Peak potentials as a  
Function of Kchem**

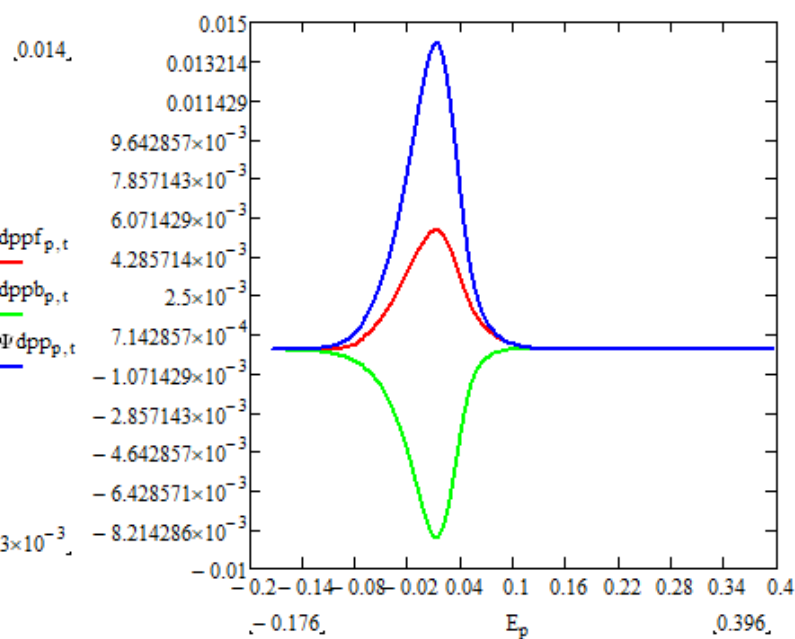




$K_{chem}$  is 0.01



$K_{chem}$  is 0.001



$K_{chem}$  is 0.0001

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